

Fig. 1

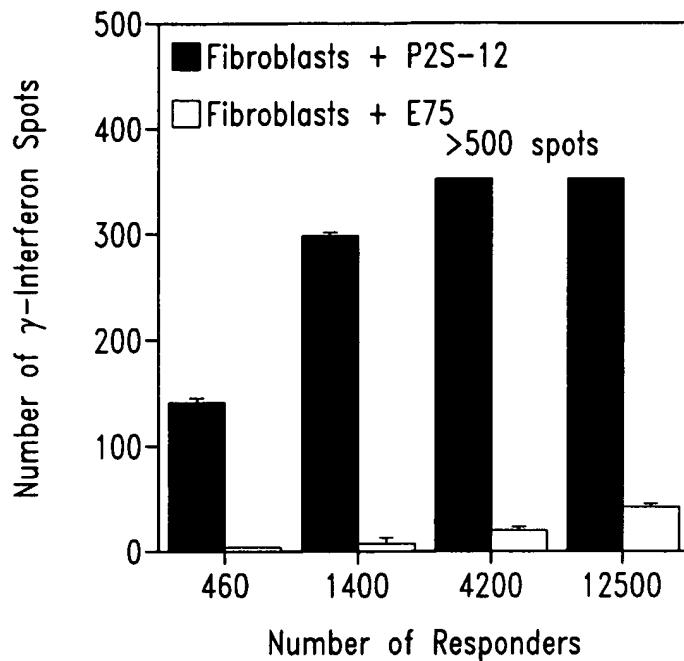


Fig. 2A

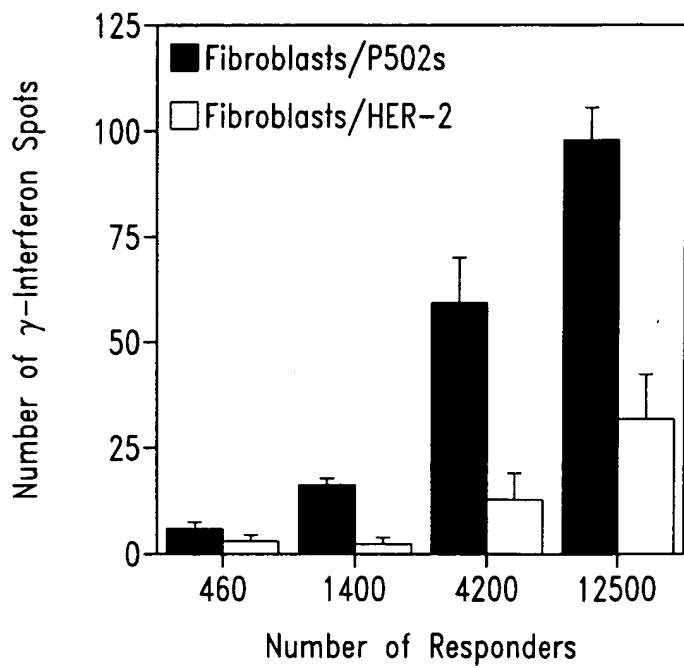


Fig. 2B

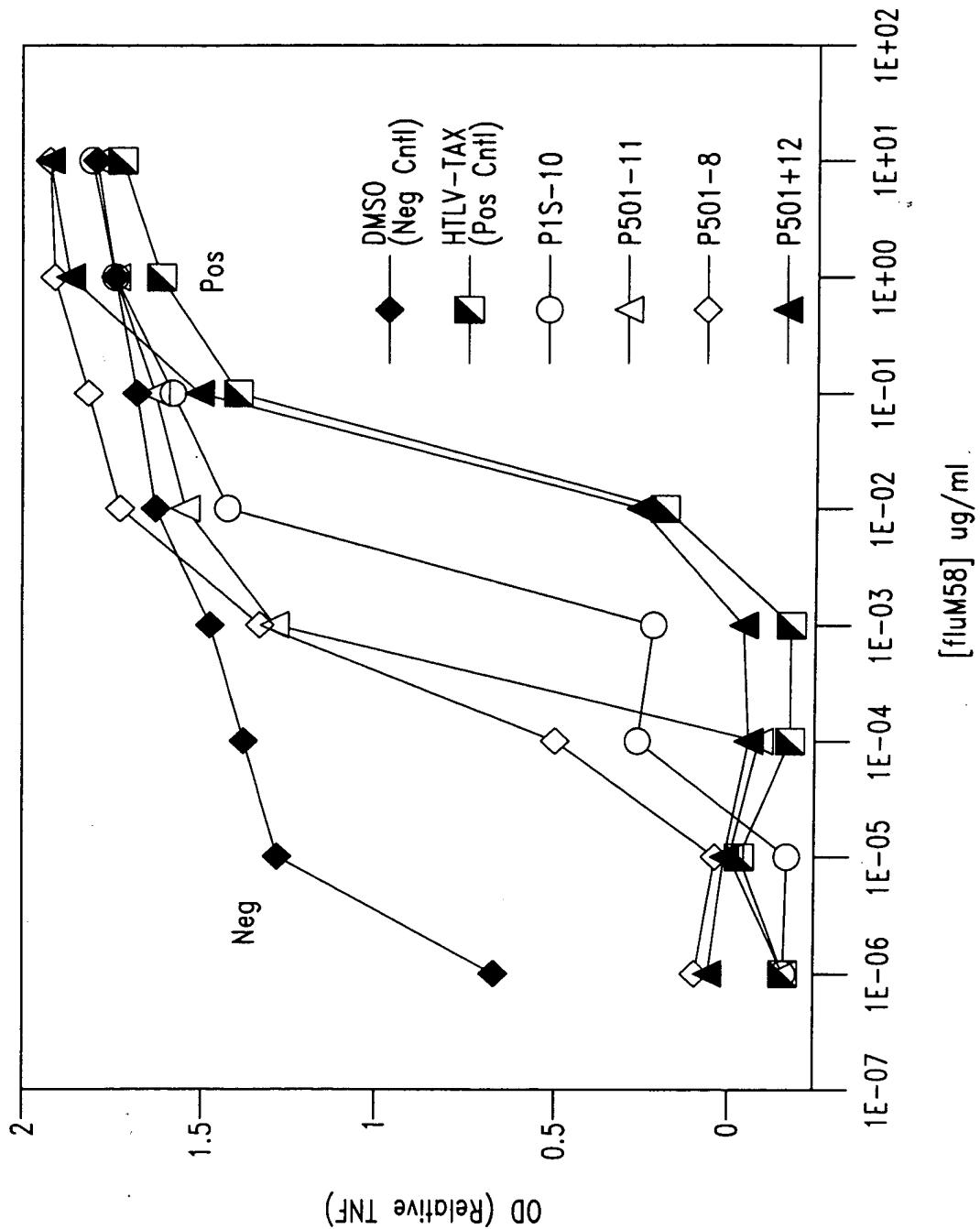


Fig. 3

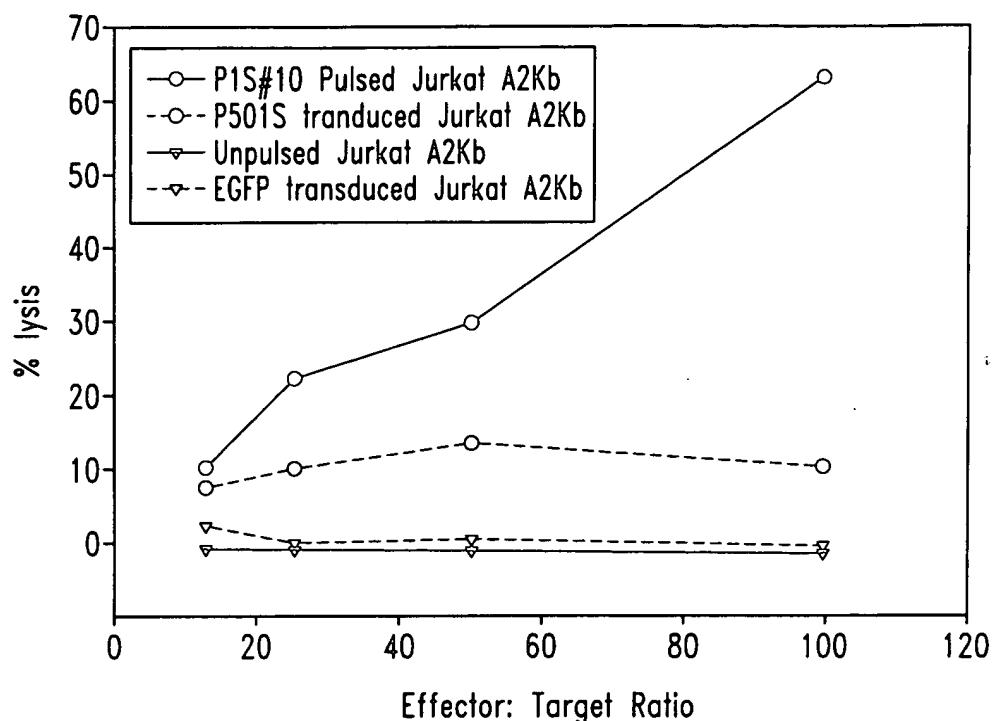


Fig. 4

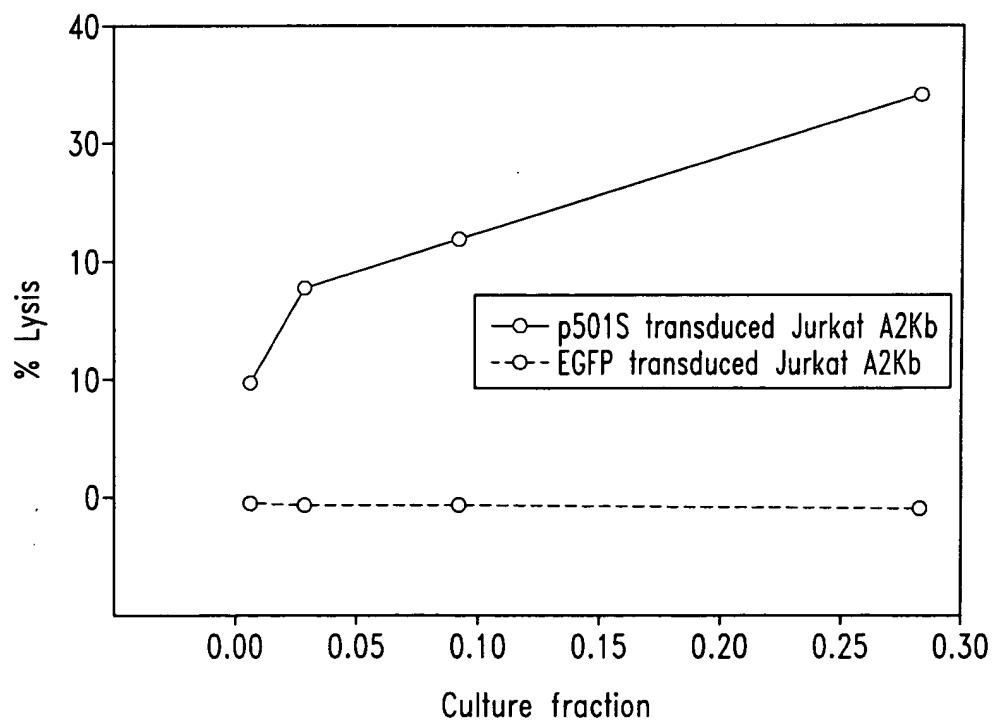


Fig. 5

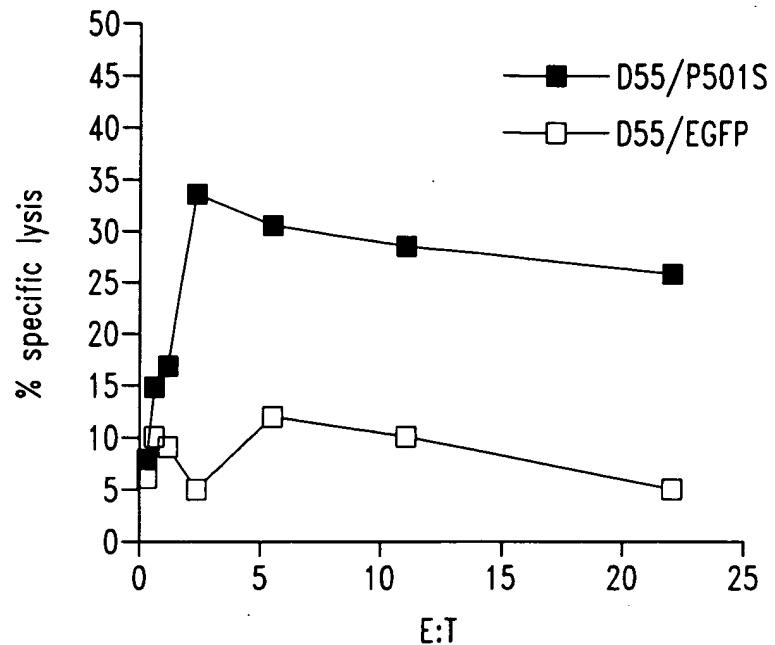


Fig. 6A

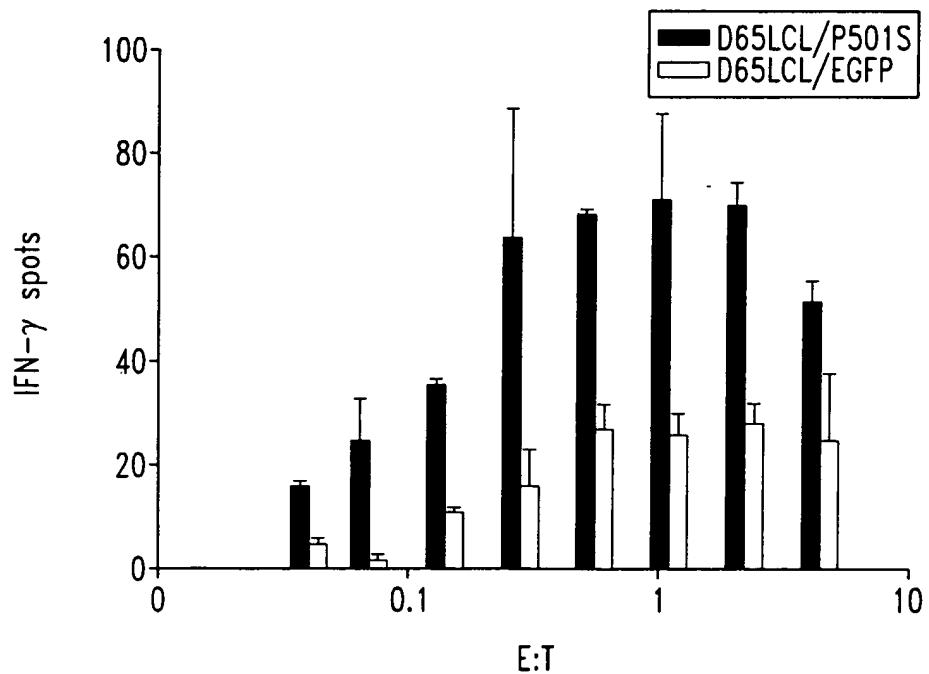
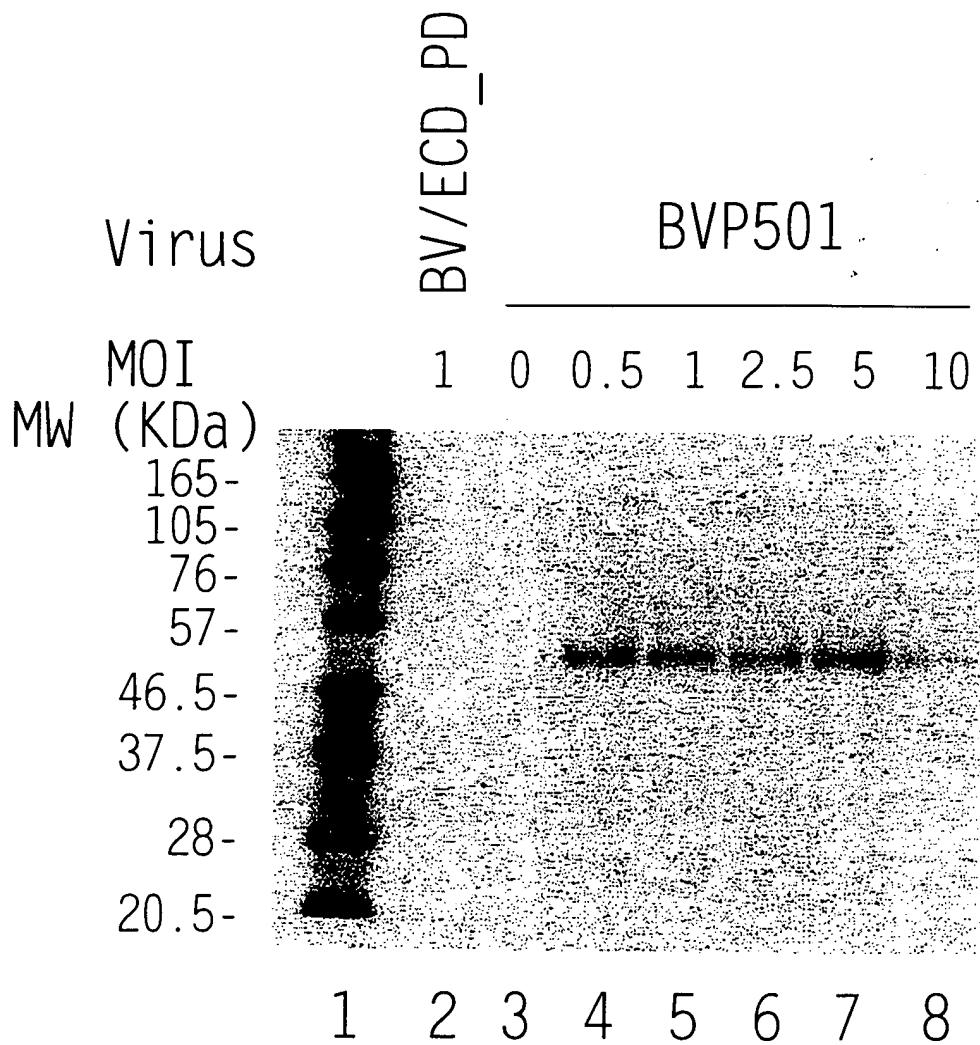


Fig. 6B

Expression of P501S
by the Baculovirus Expression System



C 6 million high 5 cells in 6-well plate were infected with an unrelated control virus BV/ECD_PD (lane2), without virus (lane3), or with recombinant baculovirus for P501 at different MOIs (lane 4-8). Cell lysates were run on SDS-PAGE under the reducing conditions and analyzed by Western blot with a monoclonal antibody against P501S (P501S-10E3-G4D3). Lane 1 is the biotinylated protein molecular weight marker (BioLabs).

Fig. 7

FIGURE 8. Mapping of the epitope recognized by
10E3-G4-D3

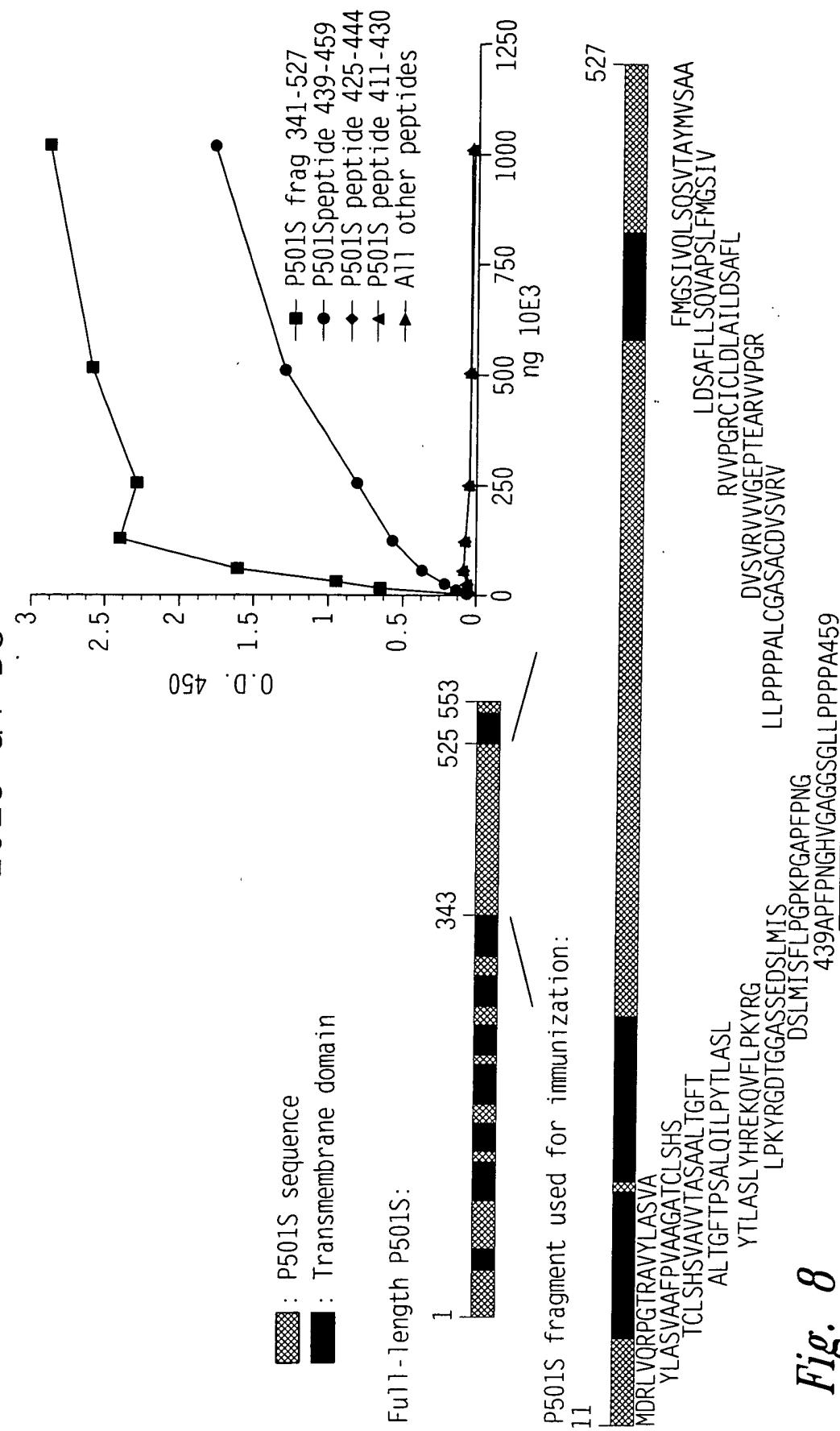


Fig. 8

Schematic of P501S with predicted transmembrane, cytoplasmic, and extracellular regions

MVQRLWVSRLLRHRK AQLLVNLLTFGLEVCLAAGIT YVPPPLLLEVGVEEKFM
TMVLGIGPVGLVCYPLLGSAS

DHWWRGRYGRRRP FIWALSLGILLSFLIPRAGWL AGLLCPDPRPLE LALLILGVGLLDFCGQVCFTPL
EALLSDLFRDPDHCRQ AYSVYAFMISLGGCLGYLLPAI DWDT SALAPYLGQTQEE

CLFGLLTLIFLTCVAATLLV AEEAALGPTEPAEGLSAPSLSPHCCPCRARLAFRNLGALLPRL
HQLCCRMPRTLRR LFVAELCSWMALMTFTLFYTDF VGEGLYQGVPRAEPGTEARRHYDEGVR

MGSLGLFLQCAISLVFSLVM DRLVQRFGTRAVYLAS VAAFPVAAGATCLSHSVAVVTA SAA

LTGFTFSALQILPYTLASLY HREKQVFLPKYRGDTGGASSEDSLMTSFLPGPKPGAPFPNGHVGAGGSGL

LPPPPALCGASACDVS*V*RVVVGEPTEARVVPGRG ICLDLAIDSAFLSQVAPSLF MGSIVQLSQS

VTAYMVSAAGLGLV*A*YFAT QVVFDKSDL*A*KYSA

Underlined sequence: Predicted transmembrane domain; **Bold sequence**: Predicted extracellular domain; *Italic sequence*: Predicted intracellular domain. Sequence in bold/underlined: used generate polyclonal rabbit serum

Localization of domains predicted using HMMTOP (G.E. Tusnady an I. Simon (1998) Principles Governing Amino Acid Composition of Integral Membrane Proteins: Applications to topology Prediction. *J. Mol. Biol.* 283, 489-506.

Fig. 9

Title: COMPOSITIONS AND METHODS FOR THERAPY AND DIAGNOSIS OF PROSTATE CANCER

Inventor(s): Jiangchun Xu et al. Serial No. 09/483,672 Docket No. 210121.427C11

Genomic Map of (5) Corixa Candidate Genes

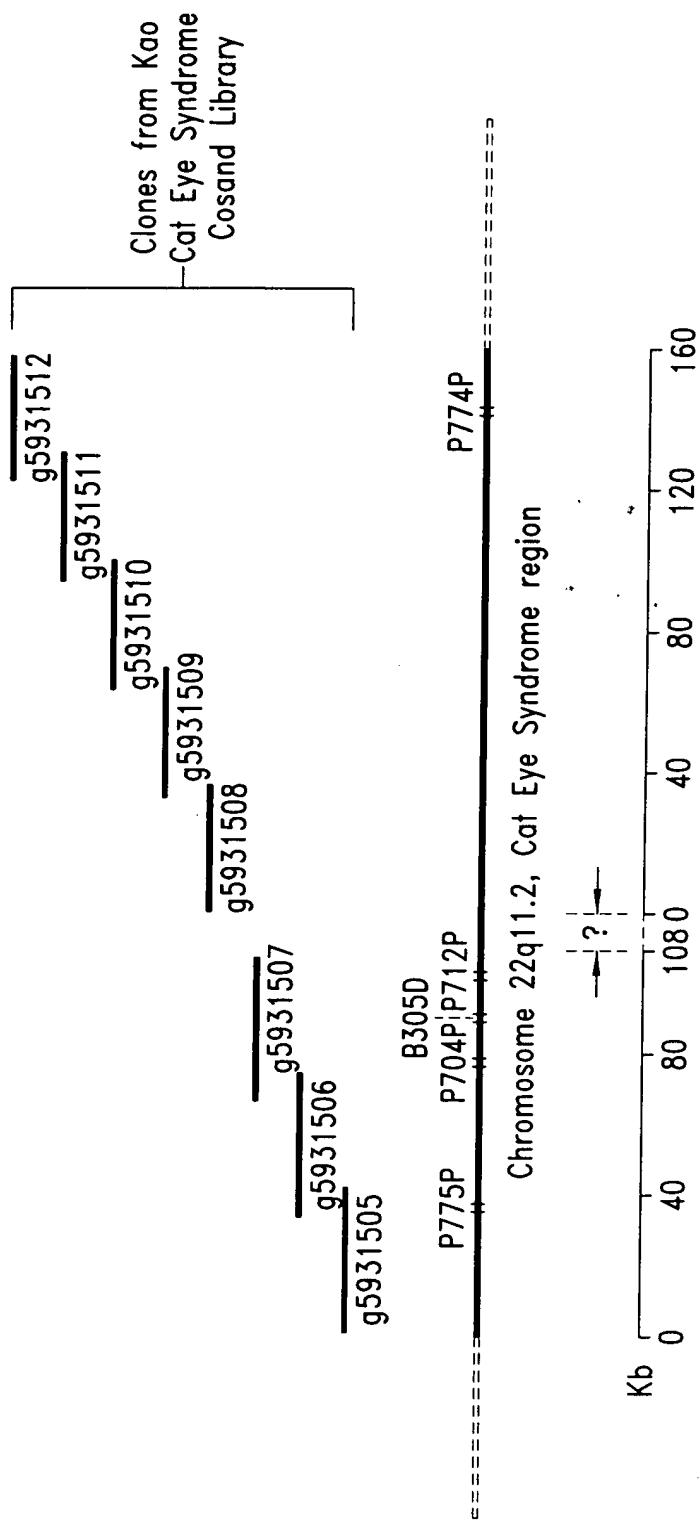


Fig. 10

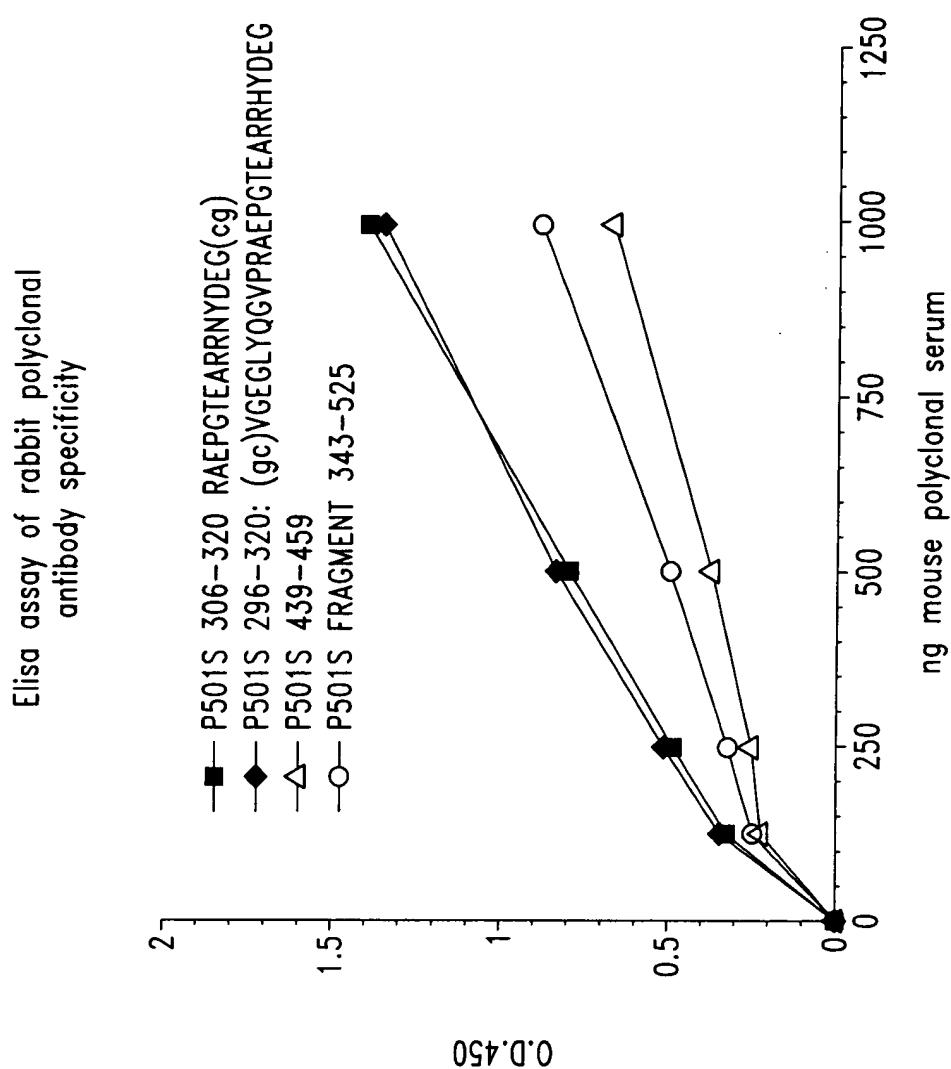


Fig. 11

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TACAGTGAAA GCGACTTGGT GAATTTATT CAAGCAAATT TTAAGAAACG AGAATGTGTC 180
TTCTTACCA AAGATTCCAA GGCCACGGAG AATGTGTGCA AGTGTGGCTA TGCCCAGAGC 240
CAGCACATGG AAGGCACCCA GATCAACCAA AGTGAGAAAT GGAACTACAA GAAACACACC 300
AAGGAATTTC CTACCGACGC CTTTGGGAT ATTCAAGTTG AGACACTGGG GAAGAAAGGG 360
AAGTATATAC GTCTGTCTG CGACACGGAC GCGGAAATCC TTTACGAGCT GCTGACCCAG 420
CACTGGCACC TGAAAACACC CAACCTGGTC ATTTCTGTGA CGGGGGGCGC CAAGAACTTC 480
GCCCTGAAGC CGCGCATGCG CAAGATCTTC AGCCGGCTCA TCTACATCGC GCAGTCCAAA 540
GGTGCTTGGA TTCTCACGGG AGGCACCCAT TATGGCCTGA CGAAGTACAT CGGGGAGGTG 600
GTGAGAGATA ACACCATCAG CAGGAGTTCA GAGGAGAATA TTGTGGCCAT TGGCATAGCA 660
GCTTGGGGCA TGGTCTCCAA CCGGGACACC CTCATCAGGA ATTGCGATGC TGAGGGCTAT 720
TTTTTAGCCC AGTACCTTAT GGATGACTTC ACAAGGGATC CACTGTATAT CCTGGACAAC 780
AACCACACAC ATTTGCTGCT CGTGGACAAT GGCTGTCTG GACATCCAC TGTCGAAGCA 840
AAGCTCCGGA ATCAGCTAGA GAAGCATATC TCTGAGCGCA CTATTCAAGA TTCCAACAT 900
GGTGGCAAGA TCCCCATTGT GTGTTTGCC CAAGGAGGTG GAAAAGAGAC TTGAAAGCC 960
ATCAATACCT CCATCAAAAAA TAAAATTCTT TGTGTGGTGG TGGAAAGGCTC GGGCCGGATC 1020
GCTGATGTGA TCGCTAGCCT GGTGGAGGTG GAGGATGCC CGACATCTTC TGCCGTCAAG 1080
GAGAAGCTGG TGCGCTTTT ACCCCGCACG GTGTCCGGC TGTCTGAGGA GGAGACTGAG 1140
AGTTGGATCA AATGGCTAA AGAAATTCTC GAATGTTCTC ACCTATTAAC AGTTATTAAA 1200
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TGGAAACCAGC TGGACTTAGC CAATGATGAG ATTTTCACCA ATGACCGCCG ATGGGAGTCT 1380
GCTGACCTTC AAGAAGTCAT GTTTACGGCT CTCATAAAGG ACAGACCCAA GTTTGTCCGC 1440
CTCTTCTGG AGAATGGCTT GAACCTACGG AGTTTCTCA CCCATGATGT CCTCACTGAA 1500
CTCTTCTCCA ACCACTTCAG CACGCTTGTG TACCGGAATC TGCGATCGC CAAGAATTCC 1560
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CGGAAGGAAG ACAGAAATGG CCGGGACGAG ATGGACATAG AACTCCACGA CGTGTCTCCT 1680
ATTACTCGGC ACCCCCTGCA AGCTCTCTTC ATCTGGGCCA TTCTTCAGAA TAAGAAGGAA 1740
CTCTCCAAAG TCATTTGGGA GCAGACCAGG GGCTGCACTC TGGCAGCCCT GGGAGCCAGC 1800
AAGCTTCTGA AGACTCTGGC CAAAGTGAAG AACGACATCA ATGCTGCTGG GGAGTCCGAG 1860
GAGCTGGCTA ATGAGTACGA GACCCGGGCT GTTGAGCTGT TCACTGAGTG TTACAGCAGC 1920
GATGAAGACT TGGCAGAAC A GCTGCTGGTC TATTCTGTG AAGCTTGGGG TGGAAAGCAAC 1980
TGTCTGGAGC TGGCGGTGGA GGCCACAGAC CAGCATTCA CCGCCCAGCC TGGGGTCCAG 2040
AATTTCTTT CTAAGCAATG GTATGGAGAG ATTTCCCGAG ACACCAAGAA CTGGAAGATT 2100

Fig. 12A (1)

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CTGCTCATGG ATTCCCATTC GGTGCCACAC CCCCCCGAGC TGGTCCTGTA CTCGCTGGTC 2340
TTTGTCTCT TCTGTGATGA AGTGAGACAG TGGTACGTAA ATGGGGTGAA TTATTTACT 2400
GACCTGTGGA ATGTGATGGA CACGCTGGGG CTTTTTACT TCATAGCAGG AATTGTATTT 2460
CGGCTCCACT CTTCTAATAA AAGCTCTTG TATTCTGGAC GAGTCATTT CTGCTGGAC 2520
TACATTATTT TCACTCTAAG ATTGATCCAC ATTTTACTG TAAGCAGAAA CTTAGGACCC 2580
AAGATTATAA TGCTGCAGAG GATGCTGATC GATGTGTTCT TCTTCCTGTT CCTCTTGCG 2640
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ACCATCCCCC TGGTGTGCAT CTACATGTTA TCCACCAACA TCCTGCTGGT CAACCTGCTG 2940
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TTGATGAACA CATATATAGG AGAACATCTA TCCTATGAAT AAGAACCTGG TCATGCTTTA 3720
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AATAATAGCT GGCTATTATA GAAAATTTAG ACCATACAGA GATGTAGAAA GAACATAAAT 4140
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TATATACTTT TTATGTAAGC TTTTCACCT AGTATTTTAT CAAATATGTT TTTATTATAT 4320
TCATAGCCTT CTTAACATT ATATCAATAA TTGCATAATA GGCAACCTCT AGCGATTACC 4380
ATAATTTGC TCATTGAAGG CTATCTCCAG TTGATCATTG GGATGAGCAT CTTTGTGCT 4440
GAATCCTATT GCTGTATTTG GGAAAATTTT CCAAGGTTAG ATTCAATAA ATATCTATTT 4500
ATTATTAAT ATTAAATAT CGATTATTA TTAAAACCAT TTATAAGGCT

Fig. 12A (2)

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5668

Title: COMPOSITIONS AND METHODS FOR THERAPY AND DIAGNOSIS OF PROSTATE CANCER

Inventor(s): Jiangchun Xu et al. Serial No. 09/483,672 Docket No. 210121.427C11

MRNRRNDTLDSTRTLYSSASRSTDLSYSESIDLNFQANFKKRECVFFTKDSKATENVCKCGYAQSQHME
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Fig. 12B